

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER-IV • EXAMINATION – SUMMER 2017

Subject Code: 3640011

Date: 08/06/2017

Subject Name: Cyber Security and Forensics

Time: 10.30 AM TO 01.00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Explain the following the terms: **07**
1. E-Mail Spoofing
 2. Internet Time Theft
 3. Software Piracy
 4. Industrial Spying
 5. Cyber Defamation
 6. Hacking
 7. Password Sniffing
- (b)** Explain passive attacks and active attacks with respect to cyber criminals planning the attacks. **07**
- Q.2 (a)** Explain attack vector and cloud computing. **07**
- (b)** Explain credit card fraud done through mobile and other wireless devices. **07**
- OR**
- (b)** Explain registry settings for mobile devices. **07**
- Q.3 (a)** Explain proxy servers and anonymizers. **07**
- (b)** Explain phishing and identity theft with relevant example. **07**
- OR**
- Q.3 (a)** Explain Virus and worms, Trojan Horses and Backdoors. **07**
- (b)** Explain the need for cyber laws in India. **07**
- Q.4 (a)** Explain the punishments given with respect to cybercrime in India. **07**
- (b)** Explain the need for computer forensics. **07**
- OR**
- Q.4 (a)** Explain digital forensic life cycle. **07**
- (b)** Explain forensics with respect to social networking sites. **07**
- Q.5 (a)** Explain Forensics auditing and ant forensics. **07**
- (b)** State and explain the available toolkits for hand held device forensics. **07**
- OR**
- Q.5 (a)** Explain the following terms: **07**
- a. MOBILedit
 - b. ForensicSIM
- (b)** State and explain the organizational guidelines on cell phone forensics as hand held device. **07**
